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IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently amended) ~~A coal-bed-methane water treatment system~~ An apparatus for treating coal-bed-methane water, ~~said coal-bed-methane water treatment system~~ the apparatus comprising:

a pump system ~~for delivering~~ to deliver water from ~~one or many~~ at least one coal-bed-methane wells well into a ~~common~~ reservoir; and

a solid-based sulfurous generator that produces ~~generator to produce~~ aqueous sulfurous acid to treat the coal-bed-methane water ~~that is~~ contained in the reservoir; and

an injection system that ~~injects~~ to inject soluble gypsum into at least one of the aqueous sulfurous acid and the coal-bed-methane water to further treat the coal-bed-methane water in the reservoir.

2. (Currently amended) The apparatus according to of claim 1, further including comprising a control system ~~for controlling~~ to control the a water flow rate through the solid-based sulfurous generator to achieve the a desired concentration of sulfurous acid in the coal-bed-methane water being treated.

3. (Currently amended) The apparatus according to of claim 2, wherein ~~said~~ the control system includes comprises a pH sensor for ~~ascertaining~~ to ascertain the pH of the coal-bed-methane water being treated; a controller connected to said the pH sensor ~~for receiving~~ to receive a signal representative of the pH, comparing said the signal to a set point for a desired water pH, and providing

an output control signal, ~~which affects a flow to a control means connected to said controller for~~
~~adjusting to adjust~~ the water flow rate through said solid-based sulfurous generator to achieve the a
desired concentration of sulfurous acid in the water being treated.

4. (Currently amended) The apparatus according to ~~of~~ claim 3, wherein said flow ~~the~~ control
means ~~includes~~ comprises a variable frequency drive (VFD) for adjusting the pump speed to control to
adjust the water flow rate of ~~water through said solid-based sulfurous generator, said pump system~~
~~being the pump system that delivers coal-bed-methane water to said solid-based sulfurous generator.~~

5. (Currently amended) The apparatus according to ~~of~~ claim 3, wherein said flow ~~the~~ control
means ~~includes~~ comprises a variable frequency drive (VFD) for ~~adjusting to adjust~~ the water flow rate
through a valve ~~to control the flow rate of water through said solid-based sulfurous generator, said the~~
valve being located between said solid-based sulfurous ~~the~~ generator and said pump system that
~~delivers water to said solid-based sulfurous~~ controlling the water flow rate through the generator.

6. (Currently amended) The apparatus according to ~~of~~ claim 2, wherein said ~~the~~ control system
includes ~~comprises~~ a flow rate sensor for ~~determining to measure~~ the water flow rate of ~~water into said~~
reservoir through the generator; a controller connected to said ~~the~~ flow rate sensor for ~~receiving to~~
receive a signal representative of the flow rate and providing to provide an output control signal to a
flow control means ~~connected to said controller for adjusting to adjust~~ the water flow rate through said
solid-based sulfurous ~~the~~ generator to achieve the a desired concentration of sulfurous acid in the water
being treated.

7. (Currently amended) The apparatus ~~according to~~ of claim 2, wherein ~~said~~ the control system further includes ~~comprises~~ a feed load cell for determining to determine the weight of sulfur being fed to ~~said solid-based sulfurous~~ the generator.

8. (Currently amended) The apparatus ~~according to~~ of claim 7, further ~~including~~ comprising a timer circuit ~~for calculating the~~ to calculate a feed burn rate based on ~~the~~ a change ~~in the~~ of an output of the feed load cell over time.

9. (Currently amended) The apparatus ~~according to~~ of claim 2, wherein ~~said~~ the control system further includes ~~comprises~~ a flow meter for measuring to measure the water flow rate ~~of water through~~ said solid-based sulfurous generator.

10. (Currently amended) The apparatus ~~according to~~ of claim 2, wherein ~~said~~ the control system further includes ~~comprises~~ a timer for to selectively starting start and ~~stopping~~ said solid-based sulfurous stop the generator.

Claims 11-62. (Cancelled)